

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: BGPBCC
Product Name: Brewguard™ Phos Blend CIP Cleaner
Company Name: Shepard Bros. Inc.
503 S. Cypress St.
La Habra, CA 90631
Phone Number: +1 (562)697-1366
Web site address: www.shepardbros.com
Emergency Contact: CHEMTREC +1 (800)424-9300

Product Category:

2. HAZARDS IDENTIFICATION

Oxidizing Liquids, Category 3

Skin Corrosion/Irritation, Category 1A



GHS Signal Word: **Danger**

GHS Hazard Phrases:

H272 - May intensify fire; oxidizer.
H314 - Causes severe skin burns and eye damage.

GHS Precautionary Phrases:

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P220 - Keep away from combustible materials.
P221 - Take any precaution to avoid mixing with combustibles/...
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.

GHS Response Phrases:

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment see Section 4 reference to supplemental first aid instruction - if immediate measures are required.

GHS Storage and Disposal Phrases:

P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

Potential Health Effects (Acute and Chronic):

High concentrations may cause acute pulmonary edema.

Inhalation:

May cause respiratory tract burns. May cause acute pulmonary edema, asphyxia, chemical pneumonitis, and upper airway obstruction caused by edema.

Skin Contact:

Can cause severe injury (reddening and swelling). Can cause chemical burn.

Eye Contact:

Can cause severe eye irritation. Causes eye burns. Causes rapid tissue damage. May cause irreversible eye injury.

Ingestion:

Can burn mouth, throat and stomach. Causes gastrointestinal tract burns. May be fatal if swallowed or inhaled.



SAFETY DATA SHEET

Brewguard™ Phos Blend CIP Cleaner

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid	10.0 -30.0 %
7697-37-2	Nitric acid	5.0 -15.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical advice/attention.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get immediate medical advice/attention.
In Case of Ingestion:	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	NA
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	NA
Suitable Extinguishing Media:	Foam, CO2, water fog, sand/earth.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. High temperatures and fires may produce toxic oxides of phosphorus and nitrogen.
Flammable Properties and Hazards:	Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas. High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, nitrogen.
Hazardous Combustion Products:	Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas. High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, nitrogen.



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 Supersedes Revision: 04/06/2015

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter drains, sewers, watersheds or water systems.

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.
 Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Neutralize acid with soda ash or sodium bicarbonate. Transfer material into an approved container for possible recovery and reuse or for disposal.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use only with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. Store away from oxidizers. Do not store near chlorine-containing products. Store in a tightly closed container. Protect containers against damage. Keep container closed when not in use.

Other Precautions: Do not mix with chlorinated product. Do not mix with products containing ammonia. Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.
7697-37-2	Nitric acid	PEL: 2 ppm	TLV: 2 ppm STEL: 4 ppm	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
7664-38-2	Phosphoric acid	NIOSH	TWA: 1 mg/m3 STEL: 3 mg/m3	
7697-37-2	Nitric acid	NIOSH	TWA: 5 mg/m3 (2 ppm) STEL: 13 mg/m3 (4 ppm)	

Respiratory Equipment (Specify Type): Avoid breathing vapors and mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges when concentrations are unknown.

Eye Protection: Chemical safety goggles. Wear chemical splash goggles and a full-face shield where there is potential for eye contact.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Rubber or neoprene boots.

Engineering Controls (Ventilation etc.): Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas	[X] Liquid	[] Solid
Appearance and Odor:	Appearance: Reddish. Liquid. Odor: Sharp. pungent odor.		
pH:	Acidic at 25.0 C		
Melting Point:	< 32.00 F		
Boiling Point:	> 212.00 F		
Flash Pt:	NA		
Evaporation Rate:	NA		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Vapor Pressure (vs. Air or mm Hg):	NA		
Vapor Density (vs. Air = 1):	NA		
Specific Gravity (Water = 1):	1.19		
Density:	NA		
Bulk density:	NA		
Solubility in Water:	Complete		
Saturated Vapor Concentration:	NA		
Octanol/Water Partition Coefficient:	No data.		
Percent Volatile:	NA		
VOC / Volume:	NA		
HAP / Volume:	NA		
Autoignition Pt:	NA		
Decomposition Temperature:	NA		
Viscosity:	NA		
Particle Size:	NA		
Heat Value:	NA		
Molecular Formula & Weight:	Proprietary Mixture	0.0	

10. STABILITY AND REACTIVITY

Reactivity:	Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Incompatible materials, Ignition sources, Excess heat.
Incompatibility - Materials To Avoid:	Strong oxidizing agents including chlorine and chlorine bleaches. sulfites, strong alkalis, sulfides, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.
Hazardous Decomposition or Byproducts:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, nitrogen.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.



11. TOXICOLOGICAL INFORMATION

Toxicological Information:	Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available. Neurotoxicity: No information available. No information available. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available. Neurotoxicity: No information available. Other Studies: CAS# 7664-38-2: Acute toxicity, LD50, Oral, Rat, 1530 mg/kg Acute toxicity, LD50, Skin, Rabbit, 2740 mg/kg Acute toxicity, LC50, Inhalation, Rat, 850.0 mg/m ³ , 1 H. Other Studies: CAS# 7697-37-2 (Nitric Acid 100%): Acute toxicity, LC50, Inhalation Vapor, Rat, 244 ppm, 30 mins.
Irritation or Corrosion:	Other Studies: CAS# 7664-38-2: Standard Draize Test, Eyes, Species:Rabbit, 119.0 mg.
Carcinogenicity/Other Information:	CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7697-37-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:	Environmental: No information available. Physical: No information available. Ecotoxicity: No information available.
Results of PBT and vPvB assessment:	Other Studies: CAS# 7664-38-2: Not reported. Rainbow Trout (<i>Oncorhynchus mykiss</i>), fingerling, 5.190%, 27 W. Other Studies: CAS# 7697-37-2: LC50, Cockle (<i>Cerastoderma edule</i>), adult(s), 330000 - 1000000 ug/L, 48H, Mortality LC50, Starfish (<i>Asterias rubens</i>), adult(s), 100000 - 330000 ug/L, 48H, Mortality.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.
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14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, acidic, inorganic, N.O.S. (Nitric Acid, Phosphoric Acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3264 **Packing Group:** II



15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid	No	Yes 5000 LB	No
7697-37-2	Nitric acid	Yes 1000 LB	Yes 1000 LB	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)	

CAS #	Hazardous Components (Chemical Name)
7664-38-2	Phosphoric acid
7697-37-2	Nitric acid

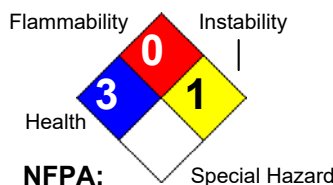
Other US EPA or State Lists

TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8:
 TAC: Cat. IIb, Title 8
 TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8:
 TAC: Cat. IIb, Title 8

16. OTHER INFORMATION

Revision Date: 11/20/2020
Preparer Name: Crystal Maira

Hazard Rating System:



Additional Information About This Product: No data available.

This Product:

Company Policy or Disclaimer:

Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.